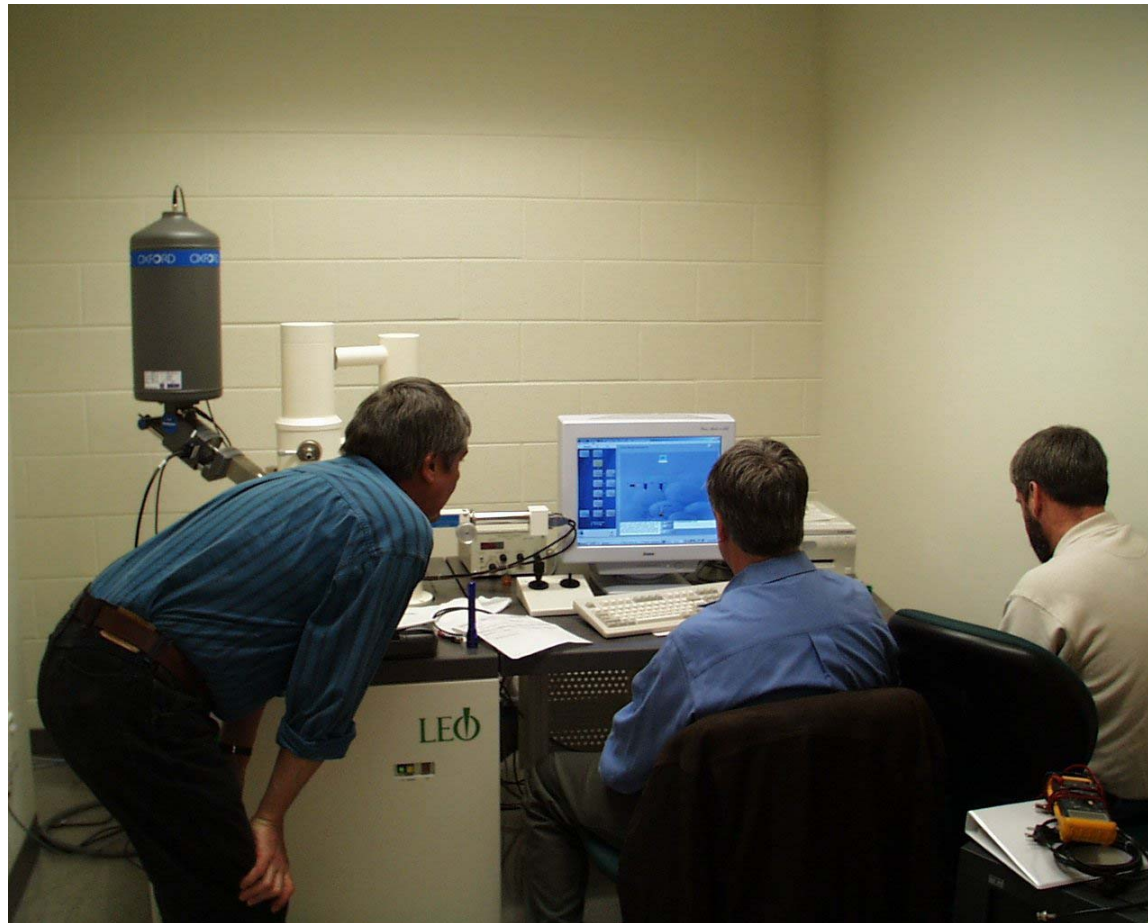


Acquisition of a Scanning Electron Microscope/Energy Dispersive

Spectrometer for Materials Investigation and Student Training

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The new **LEO 1430 VP Scanning Electron Microscope System** was installed in late January and early February 2002. Since that time the PI has lead a 3 hour basics workshop which was attended by 10 faculty and students. A total of 72 hours of Individual faculty & student training, totaling 72 hours, has been provided by the PI. The instrument was used to gather data for four different faculty research projects from **James Madison University and Mary Washington College**. It was used extensively in student research projects during the Spring Semester and during the Summer **NSF sponsored REU program**. These projects involved students from **Geology, Chemistry, Physics, and Materials Science**.

Rare Mineral Species Found at Buck Hill, Virginia

Left is analcime trapezohedron on Zr- rich arfvedsonite

Right are crystals of catapleiite and synchysite-Ce

